



**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Andreas MORELL *et al.*

Title: POLYPEPTIDES CAPABLE OF FORMING ANTIGEN BINDING  
STRUCTURES WITH SPECIFICITY FOR THE RHESUS D ANTIGENS, THE  
DNA ENCODING THEM AND THE PROCESS FOR THEIR PREPARATION  
AND USE

Appl. No.: 09/147,443

Filing Date: 01/21/1999

Examiner: Francois P. Vandervegt

Art Unit: 1644

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents were originally submitted to the USPTO on March 1, 1999. See the attached copy of a PTO date-stamped postcard, indicating submission of 22 references. At the Examiner's request, the listed documents are being resubmitted.

Because the original submission of these documents was timely, submission of this Supplemental IDS should not result in any determination of "delay" by Applicants for purposes of determining Patent Term Adjustment (See 37 CFR §§ 1.701-1.705).

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

**FEE**

Because the original submission complied with 37 CFR §1.97(b), no fee should be required for this resubmission.

Nonetheless, the Commissioner is hereby authorized to charge any fees that may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

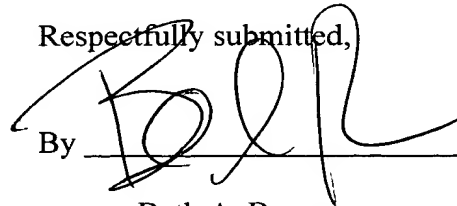
Date

6 May 2004

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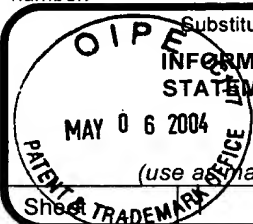
Respectfully submitted,

By



Beth A. Burrous  
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Registration No. 35,087

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

 Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
Application Number		09/147,443	
Filing Date		01/21/1999	
First Named Inventor		Andreas Morell	
Group Art Unit		1644	
Examiner Name		Francois P. Vandervegt	
Attorney Docket Number		029860-0114	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A1	BARBAS III et al., "Combinatorial Immunoglobulin Libraries on the Surface of Phage (Phabs): Rapid Selection of Antigen-Specific Fabs," <u>Methods: A Comparison to Methods in Enzymology</u> , April 1991, pp. 119-124, Vol. 2, No. 2, Academic Press, Inc.	
	A2	CHÉRIF-ZAHAR et al., "Molecular cloning and protein structure of a human blood group Rh polypeptide," <u>Proc. Natl. Acad. Sci. USA</u> , August 1990, pp. 6243-6247, Vol. 87	
	A3	CRAWFORD et al., "Production of Human Monoclonal Antibody to Rhesus D Antigen," <u>The Lancet</u> , February 19, 1983, pp. 386-388, Vol. I, No. 8321	
	A4	DZIEGIEL et al., "Recombinant Antibody Against the Erythrocyte Antigen, Rhesus D," Abstract No. T513, <u>Journal of Cellular Biochemistry</u> , February 26-April 17, 1994, p. 212, Supplement 18D, Wiley-Liss	
	A5	HUGHES-JONES, "Human Monoclonal Antibodies and Haemolytic Disease of the Newborn," <u>British Journal of Haematology</u> , November 1988, pp. 263-265, Vol. 70, No. 3, Blackwell Scientific Publications	
	A6	ISSITT, "Genetics of the Rh blood group system: some current concepts," <u>Medical Laboratory Sciences</u> , 1988, pp. 395-404, Vol. 45, Blackwell Scientific Publications	
	A7	KOZBOR et al., "The production of monoclonal antibodies from human lymphocytes," <u>Immunology Today</u> , 1983, pp. 72-79, 1983, Vol. 4, No. 3, Elsevier Science Publishers B.V.	
	A8	LE VAN KIM et al., "Molecular cloning and primary structure of the human blood group RhD polypeptide," <u>Proc. Natl. Acad. Sci. USA</u> , November 1992, pp. 10925-10929, Vol. 89	
	A9	MOURO et al., "Rearrangements of the Blood Group RhD Gene Associated with the D <sup>VI</sup> Category Phenotype," <u>Blood</u> , February 15, 1994, pp. 1129-1135, Vol. 83, No. 4, The American Society of Hematology	
	A10	PARADIS et al., "Protective Effect of the Membrane Skeleton on the Immunologic Reactivity of the Human Red Cell Rh <sub>0</sub> (D) Antigen," <u>The Journal of Immunology</u> , July 1, 1986, pp. 240-244, Vol. 137, No. 1, The American Association of Immunologists	
	A11	PERSSON et al., "Generation of diverse high-affinity human monoclonal antibodies by repertoire cloning," <u>Proc. Natl. Acad. Sci. USA</u> , March 1991, pp. 2432-2436, Vol. 88	
	A12	RACE et al. (Eds.), <u>Blood Groups in Man</u> , 1975, TABLE OF CONTENTS ONLY, Blackwell Scientific Publications	


Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use ~~8~~ as many sheets as necessary)

2 of 2

<b>Application Number</b>	09/147,443
<b>Filing Date</b>	01/21/1999
<b>First Named Inventor</b>	Andreas Morell
<b>Group Art Unit</b>	1644
<b>Examiner Name</b>	Francois P. Vandervegt
<b>Attorney Docket Number</b>	029860-0114

[illegible]Date  
Considered

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.



JPH&S Ref 6816/P63221USD Today's Date 3/1/99  
Serial/Patent No. 09/147,443  
Applicant Andreas MORELLE et al  
Filing Date December 24, 1998

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- ☐ pp. Specification & ☐ Claims ☐ Response to Office Action  
☐ Combined Declaration, Power of Attorney ☒ Disclosure Statement (22)  
☐ Preliminary Amendment ☐ Copies of References  
☐ Rule 53 (b) Application ☐ Request for Refund  
☐ Rule 53 (d) Application ☐ Request for Corrected Filing Receipt  
☐ Claim to Priority and Certified Copy ☐ Petition for XOT  
☐ Substitute ☐ Subsequent Declaration ☐ Notice of Appeal  
☐ Maintenance Fee ☐ Brief  
☐ Drawings ☐ Sheets ☐ Formal ☐ Issue Fee Transmittal  
☐ Assignment/Change of Name ☒ Other Copy 152  
☐ Small Entity Declaration

☐ Check for \$

JPH&S 12/97 DUE DATE 3/24/99 JACOBSON, PRICE, HOLMAN & STERN, PLLC  
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Person filing DLS

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